



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D3533-1

Job Sheet 173733



Part No: D3533-1

Job Qty: 200 ea

Part Name: Set Screw



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 3/6/18

Job Tracking No:

Due Date: 3/30/18

Created By: Marie Lajeunesse

Type: Stock

Description:

Note: DWG REV B IPP Rev:A New Issue 06-07-25 JLM verified by DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier	Lead Time	
100	Purchasing	200 pcs		3/30/18	0.00	0.00	Purchasing		At 8/03/12
110	Packaging	200 pcs		3/30/18	0.00	0.00	Packaging2		At 8/03/12
120	QC	200 pcs		3/30/18	0.00	0.00	QC6		11 MAR 12 2018
130	Packaging	200 pcs		3/30/18	0.00	0.00	Packaging3-1	56036	9-89 MAR 12 2018
140	QC21-SA	200 Ea		3/30/18	0.00	0.00	QC21		DAS 21 MAR 13 2018

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
92311A564	Set Screw	200 pcs (1 ea)	100-Purchasing	
P/O 39238		DAS 13 9-89	MAR 07 2018	

Job Allocations

Operation	Component Part	Required	Inventory	Allocated
100-Purchasing	92311A564	200	0	0

Part Specifications

Specifications could not be found.

Plex 3/6/18 1:21 PM Dart.lajeunesse.marie

QA Closed: _____ Date: _____

Work Order update only ☐

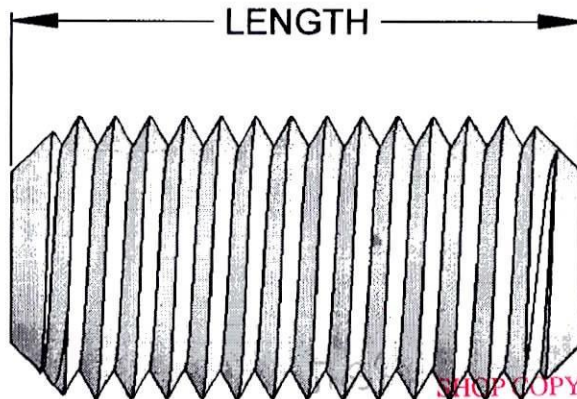
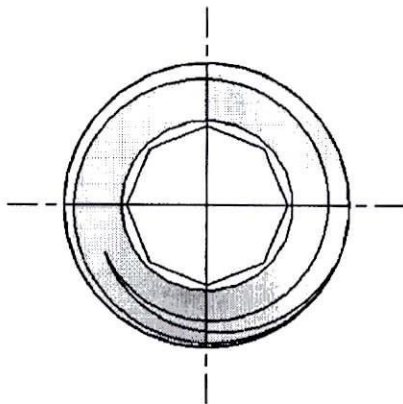
Work Order: _____		DISPOSITION		AGAINST DEPARTMENT/PROCESS				
Part No. _____		Rework ☐	Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐		
NCR No. _____		Scrap ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐		
		Use-as-is ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐		
		Suspected Unapproved ☐	Large Fab ☐	Composite ☐	Supplier ☐			
Date : _____	Step #: _____	QTY Effective : _____				MRB (QSI042) Approval _____		
Des _____		Disposition _____				Completed By _____		
Job No: 173733 Mtg Date: 03/12/18 Change No: Operation: Revision: Serial No/Batch: S050331 PART NO: D3533-1 Packaging						Lead hand / Supervisor Approval Verification _____		
						QC / QA Coordinator Approval _____		
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐		Use for testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		Cuts ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐		Power Loss/Surge ☐ I/O/Program ☐ Main ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐		Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐
		OTHER : _____						



DESIGN CB	DRAWN BY CB	DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
CHECKED LE	APPROVED H	DRAWING NO. D3533	REV. B SHEET 1 OF 1
DATE 07.06.14		TITLE SET SCREW	SCALE NTS
REV	DATE	DESCRIPTION	
A	06.07.12	NEW ISSUE	
B	07.06.14	ADD D3533-3; ADD MATERIAL/FINISH COLUMN	

SPECIFICATION CONTROL DRAWING

RELEASED
07.08.03 H



SHOP COPY
RETURN TO
ENGINEERING
UNCONTROLLED COPY
SUBJECT TO AMENDMENT
WITHOUT NOTICE
WORK ORDER
NO. 173735 MJS
180306



PART NUMBER	MATERIAL AND FINISH	SIZE	LENGTH	POSSIBLE SUPPLIER
D3533-1	18-8 STAINLESS STEEL	1/4-28 UNF	1.000	McMASTER-CARR, P/N 92311A564
D3533-3	BLACK OXIDE ALLOY STEEL	#6-40 UNF	0.188	McMASTER-CARR, P/N 91375A161



NOTES:

- 1) TYPE: CUP POINT HEX HEAD SET SCREWS
- 2) TOLERANCES ARE PER DART QSI 018 UNLESS OTHERWISE NOTED
- 3) ALL DIMENSIONS ARE IN INCHES

COPYRIGHT © 2006 BY DART AEROSPACE LTD

THIS DOCUMENT IS PRIVATE AND CONFIDENTIAL AND IS SUPPLIED ON THE EXPRESS CONDITION THAT IT IS NOT TO BE USED FOR ANY PURPOSE OR COPIED OR COMMUNICATED TO ANY OTHER PERSON WITHOUT WRITTEN PERMISSION FROM DART AEROSPACE LTD.

DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____	DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐	AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐			
Date :	Step #:	QTY Effective :		MRB (QSI042) Approval	
Description Work Order Deviation		Disposition		Completed By	
				Lead hand / Supervisor Approval Verification	
				QC / QA Coordinator Approval	
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Misabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐			
OTHER : ☐					



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

PURCHASE ORDER

PO039238

Supplier: MCM001-VU
McMaster-Carr Supply Co.
P.O. Box 7690
Chicago, IL 60680-7690 USA
Phone: 330 995 5500
Fax: 330 995 9600

PO No: PO039238

PO Date: 3/7/18

Due Date: 3/12/18

Purchase Order

Revision:

Revision Date:

Ship-To Contact: Lavoie, Chantal
clavoie@dartaero.com

E-MAILED
MAR 08 2018

Ship To: 1270 Aberdeen Street
Hawkesbury
ON
K6A 1K7 Canada
Phone: 613-632-5200

Via: Ground

Pynt Terms: 2% 10 Net 30

Freight Terms:

Special Comments:

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
1	92311A639	02747	SS Set Screw	Firmed	3/12/18	250 pcs	0 pcs	250 pcs	\$0.626/pcs	\$156.50
2	91525A120		washer : AS PER DWG D3456 REV.A	Firmed	3/12/18	50 pcs	0 pcs	50 pcs	\$0.232/pcs	\$11.60
3	92311A564	03533-1	Set Screw	Firmed	3/12/18	200 pcs	0 pcs	200 pcs	\$0.2374/pcs	\$47.48
4	6541K38	05528-1	Ear Clamp receive pcs	Firmed	3/12/18	25 Ea	0 Ea	25 Ea	\$0.3832/Ea	\$9.58
5	6519T14	05528-1	Tubing 10 pcs of 10 ft long	Firmed	3/12/18	10 Ea	0 Ea	10 Ea	\$48.20/Ea	\$482.00
6	98378A909	1/pk	Perforator Pin .129" X 2-1/2"	Firmed	3/12/18	12 Ea	0 Ea	12 Ea	\$5.92/Ea	\$71.04
7	188-FPSS- 1/4 20-3/8	92313A535 25/pk	Set Screw	Firmed	3/9/18	50 Ea	0 Ea	50 Ea	\$0.1628/Ea	\$8.14
Line Item Note please ship item overnight fed ex on acct: 151793240										
8	91292A127	50/pk	Socket Head Cap Screw, M5 x 0.8mm x 18mm receive ea	Firmed	3/12/18	50 Ea	0 Ea	50 Ea	\$0.528/Ea	\$26.40
9	90327A157	25/pk	Socket Head Cap Screw M8 x 1.25 x 20mm receive ea	Firmed	3/12/18	25 Ea	0 Ea	25 Ea	\$0.0812/Ea	\$2.03
10	90128A249	100/pk	Socket Head Cap Screw M5 x 0.8 x 25mm receive ea	Firmed	3/12/18	100 Ea	0 Ea	100 Ea	\$0.0812/Ea	\$8.12
11	92005A218	100/pk	Pan Head Screw M4 x 0.7 x 8mm receive ea	Firmed	3/12/18	100 Ea	0 Ea	100 Ea	\$0.0812/Ea	\$8.12
12	23065A504	SIZE: 0.3070"	Plug No-Go Gauge receive ea	Firmed	3/12/18	6 Ea	0 Ea	6 Ea	\$3.89/Ea	\$23.34

Plex 3/8/18 11:27 AM dart.lavoie.chanta

Items										
Line Item	Part	Supplier Part No	Description	Status	Due Date	Order Quantity	Received Quantity	Balance	Unit Price (USD)	Extended Price
13	35355T26	1/pk	Anchor Shackle	Firmed	3/12/18	6 Ea	0 Ea	6 Ea	\$9.28/Ea	\$55.68
						6x		AT 18/03/12		
14	35685T55	1/pk	D-Shackle w/Elongated Body	Firmed	3/12/18	6 Ea	0 Ea	6 Ea	\$12.01/Ea	\$72.06
						6x		AT 18/03/12		
15	3440T55	50 ft	Lifting Cable	Firmed	3/12/18	50 Ea	0 Ea	50 Ea	\$1.34/Ea	\$67.00
						50x		AT 18/03/12		
16	3494T12		Lifting Thimble receive ea	Firmed	3/12/18	40 Ea	0 Ea	40 Ea	\$0.66/Ea	\$26.40
						40x		AT 18/03/12		
17	3755T17	2/pk	Lifting Oval Sleeve receive ea	Firmed	3/12/18	30 Ea	0 Ea	30 Ea	\$4.065/Ea	\$121.95
						30x		AT 18/03/12		
18	8948T12		Welded Master Link receive ea	Firmed	3/12/18	4 Ea	0 Ea	4 Ea	\$75.65/Ea	\$302.60
						4x		AT 18/03/12		
19	9657K393	6/pk	Compression Spring	Firmed	3/12/18	12 Ea	0 Ea	12 Ea	\$1.156666/Ea	\$13.88
						12x		AT 18/03/12		
20	98750A317	1/pk	All Thread receive ea	Firmed	3/12/18	20 Ea	0 Ea	20 Ea	\$2.58/Ea	\$51.60
						20x		AT 18/03/12		
21	92196A345	10/pk	Socket Head Cap Screw receive ea	Firmed	3/12/18	200 Ea	0 Ea	200 Ea	\$0.715/Ea	\$143.00
						200x		AT 18/03/12		
22	50715K677	50715K832	Flared Tube Fitting SS	Firmed	3/12/18	20 Ea	0 Ea	20 Ea	\$10.05/Ea	\$201.00
	Jus 173807 105370-1					20x		AT 18/03/12		
23	7856K77	25 ft	Heat Shrink Tubing Color Black	Firmed	3/12/18	25 pcs	0 pcs	25 pcs	\$1.0496/pcs	\$26.24
						25x		AT 18/03/12		
24	90177A218	50/pk	Split Ring Zinc-Plated Steel Split Ring 1" OD, 13/16" ID, 1/8" Thick	Firmed	3/12/18	50 Ea	0 Ea	50 Ea	\$0.2452/Ea	\$12.26
						50x		AT 18/03/12		
25	90174A113	25/pk	Retaining Pin	Firmed	3/12/18	50 Ea	0 Ea	50 Ea	\$0.2756/Ea	\$13.78
						50x		AT 18/03/12		
26	94975A162	1/pk	Quick Release Pin Quick Release Pin W/Lanyard	Firmed	3/12/18	12 Ea	0 Ea	12 Ea	\$4.49/Ea	\$53.88
						12x		AT 18/03/12		
27	90272A189	50/pk	Machine Screw screw 8-32/3/16" long	Firmed	3/12/18	50 Ea	0 Ea	50 Ea	\$0.0608/Ea	\$3.04
						50x		AT 18/03/12		
Grand Total:										\$2,018.72

Order Notes

Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Plex 3/8/18 11:27 AM dart.lavoie.chantal

200 Aurora Industrial Pkwy
Aurora OH 44202-8087
330-995-5500
cle.sales@mcmaster.com

Dart Aerospace Ltd
1270 Aberdeen St
Hawkesbury ON K6A 1K7
Canada

Purchase Order
PO039238

Order Placed By
Chantal Lavoie

McMaster-Carr Number
8348265-02

Page 1 of 1

03/08/2018

Line	Product	Ordered	Shipped
1	92311A639 18-8 Stainless Steel Cup-Point Set Screw, 3/8"-24 Thread, 1" Long, Packs of 10	25 Packs	25
2	91525A120 316 Stainless Steel Washer, Oversized, 1/4" Screw Size, 0.281" ID, 1" OD, Packs of 25	2 Packs	2
3	92311A564 18-8 Stainless Steel Cup-Point Set Screw, 1/4"-28 Thread, 1" Long, Packs of 50	4 Packs	4
9	90128A249 Zinc-Plated Alloy Steel Socket Head Screw, M5 x 0.8 mm Thread, 25 mm Long, Packs of 100	1 Pack	1
20	92196A345 18-8 Stainless Steel Socket Head Screw, 5/16"-24 Thread Size, 1-3/4" Long, Packs of 10	20 Packs	20

DAS
11
9-89

Shipped separately from our Chicago warehouse on 03/08

6	98378A909 Precision-Sized Flat-Head Core Pin Blanks, 0.129" Diameter, 2-1/2" Long	12 Each	12
---	---	------------	----